

AMENDMENTS TO THE CLAIMS

Claims 1-3 (Cancelled).

4. (Currently amended) ~~The information providing system according to claim 3,~~
An information providing system, comprising a mobile terminal and an information providing device,
said mobile terminal including:
a communication circuit communicating with said information providing device,
a detection circuit detecting a position of said mobile terminal,
an output circuit outputting information, and
a control circuit connected to said communication circuit, said detection circuit and said output circuit, and controlling said mobile terminal,
said control circuit including a circuit controlling said detection circuit and said communication circuit such that positional information representing a position of said mobile terminal is transmitted to said information providing device,
said information providing device including:
a communication circuit communicating with said mobile terminal,
a first storage circuit storing schedule information representing a schedule to be executed by a user of said mobile terminal, and
a control circuit connected to said communication circuit and said first storage circuit, and controlling said information providing device,
said control circuit of said information providing device including a circuit controlling said communication circuit such that information related to an activity for executing said schedule is transmitted to said mobile terminal, based on said positional information received from said mobile terminal and said schedule information stored in said first storage circuit, and
said control circuit of said mobile terminal further including a circuit controlling said output circuit such that the information related to the activity for executing said schedule received from said information providing device is output,

wherein:

said schedule information includes location information representing an execution location where said schedule is executed and time information representing execution time at which said schedule is executed, and

said control circuit of said information providing device includes:

a circuit conducting a search for a route of traveling from a position of said mobile terminal to said execution location, based on said positional information and said location information,

a circuit calculating time required for said traveling, based on said execution time and said route, and

a circuit controlling said communication circuit such that information representing said route of traveling and information representing said time required for traveling are transmitted to said mobile terminal,

wherein

said information providing device further includes a second storage circuit storing event information in connection with a location where an event is held and time required for execution of the event, and

said control circuit of said information providing device further includes

a circuit calculating spare time before start of traveling, based on said time required for traveling,

a circuit conducting a search for an event that can be executed by a user of said mobile terminal, from event information stored in said second storage circuit, based on said spare time, said positional information, said location where the event is held, and said time required for execution of the event, and

a circuit controlling said communication circuit such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.

5. (Currently amended) The information providing system according to ~~claim 3~~ claim 4,
wherein

~~said information providing device further includes~~

~~[[a]] said second storage circuit storing stores event information in connection with a location where an event is held, time required for execution of the event, and a detail of the event, and said information providing device further includes:~~

~~a third storage circuit storing preference information representing a preference of said user, and wherein,~~

~~said control circuit of said information providing device further includes~~

~~a circuit calculating spare time before start of traveling, based on said time required for traveling,~~

~~[[a]] said circuit conducting a search conducts a search for an event that can be executed by a user of said mobile terminal[[,]] from ~~the event information stored in said second storage circuit, based on said spare time, said positional information, said location where the event is held, said time required for execution of the event, and~~ a degree of matching between said preference information and said detail of the event, and~~

~~a circuit controlling said communication circuit such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.~~

6. (Currently amended) The information providing system according to ~~claim 3~~ claim 4, wherein

said information providing device further includes

a weather search circuit searching for weather information representing weather, and

~~[[a]] said second storage circuit storing event information in connection with a location where an event is held, time required for execution of the event, and weather suitable for the event, and~~

said control circuit of said information providing device further includes

a weather circuit searching for weather information representing weather at a position specified by said positional information, using said weather search circuit, and

~~a circuit calculating spare time before start of traveling, based on said time required for traveling,~~

[[a]] said circuit conducting a search for an event that can be executed by an user of said mobile terminal[[,]] ~~from event information stored in said second storage circuit, based on said spare time, said positional information, said location where the event is held, said time required for execution of the event, and~~ a degree of matching between said weather information and said weather suitable for the event, and

~~a circuit controlling said communication circuit such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.~~

Claims 7-9 (Cancelled).

10. (Original) ~~The information providing device according to claim 9~~ An information providing device used in an information providing system including a mobile terminal and an information providing device, wherein,

said mobile terminal transmits positional information representing a position of said mobile terminal to said information providing device, and outputs information received from said information providing device,

said information providing device comprises:

a communication circuit communicating with said mobile terminal,

a first storage circuit storing schedule information representing a schedule to be executed by a user of said mobile terminal, and

a control circuit connected to said communication circuit and said first storage circuit, and controlling said information providing device, and

said control circuit includes a circuit controlling said communication circuit such that information related to an activity for executing said schedule is transmitted to said mobile terminal, based on said positional information received from said mobile terminal and said schedule information stored in said first storage circuit,

wherein,

said schedule information includes location information representing an execution location where said schedule is executed and time information representing execution time at which said schedule is executed, and

said control circuit includes:

a circuit searching for a route of traveling from the position of said mobile terminal to said execution location, based on said positional information and said location information,

a circuit calculating time required for said traveling, based on said execution time and said route, and

a circuit controlling said communication circuit such that information representing said route of traveling and information representing said time required for traveling are transmitted to said mobile terminal; and further comprising:

a second storage circuit storing event information in connection with a location where an event is held and time required for execution of the event,

said control circuit further including

a circuit calculating spare time before start of traveling based on time required for said traveling,

a circuit conducting a search for an event that can be executed by a user of said mobile terminal, from the event information stored in said second storage circuit, based on said spare time, said positional information, said location where the event is held, and said time required for execution of the event, and

a circuit controlling said communication circuit such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.

11. (Currently amended) The information providing device according to ~~claim 9~~ claim 10, wherein further comprising:

[[a]] said second storage circuit storing event information in connection with a location where an event is held, time required for execution of the event, and stores a detail of the event, and said information providing device further includes:

a third storage circuit storing preference information representing a preference of said user, and

~~said control circuit further including~~

~~a circuit calculating spare time before start of traveling, based on said time required for traveling,~~

a said circuit conducting a search conducts a search for an event that can be executed by a user of said mobile terminal[[,]] ~~from the event information stored in said second storage circuit, based on said spare time, said positional information, said location where the event is held, said time required for execution of the event, and~~ a degree of matching between said preference information and said detail of the event,~~and~~

~~a circuit controlling said communication circuit such that event information representing said event retrieved as a result of said search is transmitted to said mobile terminal.~~

12. (Currently amended) The information providing device according to ~~claim 9~~ claim 10, further comprising:

a weather search circuit searching for weather information representing weather, and

[[a]] said second storage circuit storing ~~event information in connection with a location where an event is held, time required for execution of the event, and~~ weather suitable for the event,

said control circuit further including

a weather circuit searching for weather information representing weather at a position specified by said positional information, using said weather search circuit, and

~~a circuit calculating spare time before start of traveling, based on said time required for traveling,~~

[[a]] said circuit conducting a search for an event that can be executed by a user of said mobile terminal, ~~from the event information stored in said second storage circuit, based on said spare time, said positional information, said location where the event is held, said time required for execution of the event, and~~ a degree of matching between said weather information and said weather suitable for the event,~~and~~

~~————a circuit controlling said communication circuit such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.~~

Claims 13-15 (Cancelled).

16. (Original) ~~The information providing system according to claim 15,~~ An information providing system, comprising a mobile terminal and an information providing device,

said mobile terminal including:

a communication means for communicating with said information providing device,

a detection means for detecting a position of said mobile terminal,

an output means for outputting information, and

a control means connected to said communication means, said detection means and said output means, for controlling said mobile terminal,

said control means including a means for controlling said detection means and said communication means such that positional information representing a position of said mobile terminal is transmitted to said information providing device,

said information providing device including

a communication means for communicating with said mobile terminal,

a first storage means for storing schedule information representing a schedule to be executed by a user of said mobile terminal, and

a control means connected to said communication means and said first storage means, for controlling said information providing device,

said control means of said information providing device including a means for controlling said communication means such that information related to an activity for executing said schedule is transmitted to said mobile terminal, based on said positional information received from said mobile terminal and said schedule information stored in said first storage means, and

said control means of said mobile terminal further including a means for controlling said output means such that the information related to the activity for executing said schedule, received from said information providing device, is output, wherein,

said schedule information includes location information representing an execution location where said schedule is executed, and time information representing execution time at which said schedule is executed, and

said control means of said information providing device includes:

a means for searching for a route of traveling from a position of said mobile terminal to said execution location, based on said positional information and said location information,

a means for calculating time required for said traveling, based on said execution time and said route, and

a means for controlling said communication means such that information representing said route of traveling and information representing said time required for traveling are transmitted to said mobile terminal,

wherein

said information providing device further includes a second storage means for storing event information in connection with a location where an event is held and time required for execution of the event, and

said control means of said information providing device further includes

a means for calculating spare time before start of traveling, based on said time required for traveling,

a means for conducting a search for an event that can be executed by a user of said mobile terminal, from the event information stored in said second storage means, based on said spare time, said positional information, said location where the event is held, and said time required for execution of the event, and

a means for controlling said communication means such that event information representing the event retrieved as a result of said search to said mobile terminal.

17. (Currently amended) The information providing system according to ~~claim 15~~ claim 16, wherein

~~said information providing device further includes~~

[[a]] said second storage means ~~for storing event information in connection with a location where an event is held, time required for execution of the event, and~~ stores a detail of the event, and said information providing device further includes:

a third storage means for storing preference information representing a preference of said user, and wherein

~~said control means of said information providing device further includes~~

~~a means for calculating spare time before start of traveling, based on said time required for traveling,~~

[[a]] said means for conducting a search conducts a search for an event that can be executed by a user of said mobile terminal[[,]] ~~from the event information stored in said second storage means, based on said spare time, said positional information, said location where an event is held, said time required for execution of the event, and~~ a degree of matching between said preference information and said detail of the event, ~~and~~

~~a means for controlling said communication means such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.~~

18. (Currently amended) The information providing system according to ~~claim 15~~ claim 16, wherein

said information providing device further includes

a weather search means for searching for weather information representing weather, and

[[a]] said second storage means for storing ~~event information in connection with a location where an event is held, time required for execution of the event, and~~ weather suitable for the event, and

said control means of said information providing device further includes

a weather searching means for searching for weather information representing weather at a position specified by said positional information, using said weather search means,

~~a means for calculating spare time before start of traveling, based on said time required for traveling,~~

[[a]] said means for conducting a search for an event that can be executed by a user of said mobile terminal[[,]] ~~from the event information stored in said second storage means, based on said spare time, said positional information, said location where the event is held, said time required for execution of the event, and a degree of matching between said weather information and said weather suitable for the event, and~~

~~a means for controlling said communication means such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.~~

Claims 19-21 (Cancelled).

22. (Currently amended) ~~The information providing device according to claim 21, An~~ information providing device used in an information providing system including a mobile terminal and the information providing device, wherein:

said mobile terminal transmits positional information representing a position of said mobile terminal to said information providing device, and outputs information received from said information providing device,

said information providing device further includes:

a communication means for communicating with said mobile terminal,

a first storage means for storing schedule information representing a schedule to be executed by a user of said mobile terminal, and

a control means connected to said communication means and said first storage means, for controlling said information providing device, and

said control means includes a means for controlling said communication means such that information related to an activity for executing said schedule is transmitted to said mobile terminal, based on said positional information received from said mobile terminal and said schedule information stored in said first storage means,

said schedule information includes location information representing an execution location where said schedule is executed, and time information representing execution time at which said schedule is executed, and

said control means includes:

a means for searching for a route of traveling from a position of said mobile terminal to said execution location, based on said positional information and said location information,

a means for calculating time required for said traveling, based on said execution time and said route, and

a means for controlling said communication means such that information representing said route of traveling and information representing said time required for traveling are transmitted to said mobile terminal, and

further comprising a second storage means for storing event information in connection with a location where an event is held and time required for execution of the event,

said control means further including

a means for calculating spare time before start of traveling, based on said time required for traveling,

a means for conducting a search for an event that can be executed by a user of said mobile terminal, from the event information stored in said second storage means, based on said spare time, said positional information, said location where the event is held, and said time required for execution of the event, and

a means for controlling said communication means such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.

23. (Currently amended) The information providing device according to ~~claim 21~~ claim 22, wherein further comprising:

~~[[a]] said second storage means for storing event information in connection with a location where an event is held, time required for execution of the event, and stores a detail of the event, and~~ said information providing device further includes,

a third storage means for storing preference information representing a preference of said user, and

~~said control means further including~~

~~a means for calculating spare time before start of traveling, based on said time required for traveling,~~

[[a]] said means for conducting a search conducts a search for an event that can be executed by a user of said mobile terminal[[,]] ~~from the event information stored in said second storage means, based on said spare time, said positional information, said location where the event is held, said time required for execution of the event, and~~ a degree of matching between said preference information and said detail of the event, and

~~a means for controlling said communication means such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.~~

24. (Currently amended) The information providing device according to ~~claim 21~~ claim 22, further comprising:

a weather search means for searching for weather information representing weather, and

[[a]] said second storage means for storing ~~event information in connection with a location where an event is held, time required for execution of the event, and~~ weather suitable for the event,

said control means further including

a weather searching means for searching for weather information representing weather at a position specified by said positional information, using said weather search means, and,

~~a means for calculating spare time before start of traveling based on said time required for traveling,~~

[[a]] said means for conducting a search conducts a search for an event that can be executed by a user of said mobile terminal[[,]] ~~from the event information stored in said second storage means, based on said spare time, said positional information, said location where the event is held, said time required for execution of the event, and~~ a degree of matching between said weather information and said weather suitable for the event, and

~~a means for controlling said communication means such that event information representing the event retrieved as a result of said search is transmitted to said mobile terminal.~~

Claims 25-27 (Cancelled).

28. (Currently amended) ~~The information providing method according to claim 27, An~~
information providing method providing a mobile terminal with information, comprising the
steps of:

preparing schedule information representing a schedule to be executed by a user of said
mobile terminal,

receiving positional information representing a position of said mobile terminal from said
mobile terminal,

generating information related to an activity for executing said schedule, based on said
positional information received at said step of receiving the positional information and based on
said schedule information prepared at said step of preparing the schedule information, and

transmitting said information related to the activity generated at said step of generating
information related to the activity to said mobile terminal,

said schedule information includes location information representing an execution
location where said schedule is executed and time information representing execution time at
which said schedule is executed,

said step of generating information related to the activity includes the steps of:
searching for a route of traveling from the position of said mobile terminal to said
execution location, based on said positional information and said location information, and
calculating time required for said traveling, based on said execution time and said route,
and

said step of transmitting information related to the activity includes the step of
transmitting, to said mobile terminal, information representing said route of traveling and
information representing said time required for said traveling,

further comprising the step of preparing event information in connection with a location
where an event is held and time required for execution of the event,

said step of generating information related to the activity further including the steps of

calculating spare time before start of traveling based on time required for said traveling,
and

conducting a search for an event that can be executed by a user of said mobile terminal,
from said prepared event information, based on said spare time, said positional information, said
location where the event is held and said time required for execution of the event,

said step of transmitting information related to the activity further including the step of
transmitting event information representing the event retrieved as a result of said search to said
mobile terminal.

29. (Currently amended) The information providing method according to claim 27,
further comprising the steps of:

preparing event information in connection with ~~a location where an event is held, time~~
~~required for execution of the event, and~~ a detail of the event, and

preparing preference information representing a preference of said user,

said step of generating information related to the activity further including the ~~steps~~ step
of

~~calculating spare time before start of traveling based on said time required for traveling,~~
and

conducting a search for an event that can be executed by a user of said mobile terminal,
from said prepared event information, based on ~~said spare time, said positional information, said~~
~~location where the event is held, said time required for execution of the event, and~~ a degree of
matching between said preference information and said detail of the event;

~~said step of transmitting information related to the activity further including the step of~~
~~transmitting event information representing the event retrieved as a result of said search to said~~
mobile terminal.

30. (Currently amended) The information providing method according to claim 27,
further comprising the step of preparing event information in connection with ~~a location where~~
~~an event is held, time required for execution of the event, and~~ weather suitable for the event,

said step of generating information related to the activity further including the steps of searching for weather information representing weather at a position specified by said positional information,

~~calculating spare time before start of traveling based on said time required for traveling,~~
and

conducting a search for an event that can be executed by a user of said mobile terminal, from said prepared event information, based on ~~said spare time, said positional information, said location where the event is held, said time required for execution of the event, and~~ a degree of matching between said weather information and said weather suitable for the event,

~~said step of transmitting said information related to the activity further including the step of transmitting event information representing the event retrieved as a result of said search to said mobile terminal.~~

Claims 31-33 (Cancelled).

34. (Currently amended) ~~The recording medium according to claim 33, A computer-readable recording medium in which a program implementing an information providing method providing a mobile terminal with information is recorded, wherein:~~

said information providing method includes the steps of:

preparing schedule information representing a schedule to be executed by a user of said mobile terminal,

receiving positional information representing a position of said mobile terminal from said mobile terminal,

generating information related to an activity for executing said schedule, based on said positional information received at said step of receiving the positional information and based on said schedule information prepared at said step of preparing the schedule information, and

transmitting, to said mobile terminal, said information related to the activity generated at said step of generating information related to the activity, wherein,

said schedule information includes location information representing an execution location where said schedule is executed and time information representing execution time at which said schedule is executed,

said step of generating information related to the activity includes the steps of:
searching for a route of traveling from the position of said mobile terminal to said execution location, based on said positional information and said location information, and
calculating time required for said traveling based on said execution time and said route,
and

said step of transmitting information related to the activity includes the step of
transmitting, to said mobile terminal, information representing said route of traveling and
information representing said time required for traveling,

wherein

said information providing method further includes the step of preparing event information in connection with a location where an event is held and time required for execution of the event,

said step of generating information related to the activity further includes the steps of
calculating spare time before start of traveling, based on said time required for traveling,
and

conducting a search for an event that can be executed by a user of said mobile terminal, from said prepared event information, based on said spare time, said positional information, said location where the event is held, and said time required for execution of the event, and

said step of transmitting said information related to the activity further includes the step of transmitting event information representing the event retrieved as a result of said search to said mobile terminal.

35. (Currently amended) The recording medium according to ~~claim 33~~ claim 34, wherein said information providing method further includes the steps of
preparing event information in connection with ~~a location where an event is held, time required for execution of the event, and~~ a detail of the event, and

preparing preference information representing a preference of said user,
said step of generating information related to the activity further includes the ~~steps~~ step
of

~~calculating spare time before start of traveling, based on said time required for traveling,~~
~~and~~

conducting a search for an event that can be executed by a user of said mobile terminal,
from said prepared event information[[,]] based on ~~said spare time, said positional information,~~
~~said location where the event is held, said time required for execution of the event,~~ and a degree
of matching between said preference information and said detail of the event, ~~and~~

~~said step of transmitting information related to the activity further includes the step of~~
~~transmitting event information representing the event retrieved as a result of said search to said~~
~~mobile terminal.~~

36. (Currently amended) The recording medium according to ~~claim 33~~ claim 34, wherein
said information providing method further includes the step of preparing event
information in connection with ~~a location where an event is held, time required for execution of~~
~~the event, and~~ weather suitable for the event,

said step of generating information related to the activity further includes the steps of
searching for weather information representing weather at a position specified by said
positional information, and

~~calculating spare time before start of traveling based on said time required for traveling,~~
~~and~~

conducting a search for an event that can be executed by a user of said mobile terminal,
from said prepared event information, based on ~~said spare time, said positional information, said~~
~~location where the event is held, said time required for execution of the event,~~ and a degree of
matching between said weather information and said weather suitable for the event, ~~and~~

~~said step of transmitting information related to the activity further includes the step of~~
~~transmitting event information representing the event retrieved as a result of said search to said~~
~~mobile terminal.~~

37. (Previously presented) A method of providing information to a mobile terminal comprising the steps of:

storing a schedule comprising at least one entry including a location and a time for the user to be at the location;

receiving positional information of the mobile terminal;

determining, from the at least one entry and a current time, a departure time at which travel to the location of the at least one entry must commence;

determining an amount of free time available before the departure time;

searching for an event based on the positional information of the mobile terminal and the determined free time; and

if an event is found, transmitting information concerning the event to the mobile terminal.

38. (Previously presented) The method of claim 37 wherein said step of searching for an event comprises searching for an event based on an indicated preference of the user.

39. (Previously presented) The method of claim 37 wherein said step of searching for an event comprises searching for an event based on a previously saved preference of the user that can be completed within the free time.

40. (Previously presented) The method of claim 37 including the additional step of determining a route from the position of the mobile unit to the location of the at least one event.